

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

Germany

2,738,678
2,853,523

S. K. Wiedmann
A. Blum

Monolithically Integrated Storage Cells
Distributed, Data-Flow-Oriented Clock Pulse Generators

United States

4,286,466 R. J. Stewart
4,286,989 L. J. Kadehjian, H. S. Sachdev, and C. D. Snyder
4,287,414 S. S. Soo and A. M. Schwartz
4,287,435 J. R. Cavaliere, R. A. Henle, R. R. Konian, and J. L. Walsh
4,287,437 R. Brosch, H. Schettler, H. Schumacher, and R. Zuehlke
4,287,461 G. G. Promis, G. L. Smith, and J. C. Wilson
4,287,540 S. D. Cheatham and M. K. Haynes
4,287,561 J. S. Liptay
4,287,571 S. N. Chakravarti and J. A. Hildebeitel
4,287,575 D. B. Eardley and R. E. Matick
4,287,576 W. D. Pricer
4,287,661 A. Stoffel
4,288,256 T. H. Ning, C. M. Osburn, and H. N. Yu
4,288,708 A. W. Vinal
4,288,716 H. Hinkel and G. Kraus
4,288,864 T. V. Harroun, L. G. Heller, and N. G. Vogl, Jr.
4,288,869 J. S. Kolodzey, F. E. Noel, Jr., and G. R. Stilwell, Jr.
4,289,411 R. W. Cornelius, J. D. Hill, and P. A. Quinn, Jr.
4,289,412 W. L. Dollenmayer
4,289,539 P.-C. Li
4,289,573 J. Economy, J. R. Lyster, and L. A. Pederson
4,289,594 W. A. Alpaugh, G. J. Macur, and J. E. Sharkness
4,289,666 F. M. Creekmore, D. J. Kennair, B. F. Livingston, J. F. Martone, and J. J. Sabad
4,289,670 F. M. Creekmore, D. J. Kennair, B. F. Livingston, and J. J. Sabad
4,289,719 C. M. McIntosh and A. F. Schmeckenbecher
4,289,834 G. E. Alcorn, R. W. Hamaker, and G. B. Stephens
4,289,920 H. J. Hovel
4,289,978 R. R. Konian and J. L. Walsh
4,289,983 L. H. O. Bengnar, W. E. Kee, R. D. Mathews, and S. T. Olson
4,290,079 C. Carpenter, J. F. Fugardi, L. V. Gregor, P. S. Grosewald, and M. D. Reeber
4,290,084 J. F. Minshull and P. Brazdil

Method and Apparatus for Pneumatically Sampling Powders
Formulations for Ink Jet Printing
Illumination and Pick Up Apparatus
Complementary Transistor Inverting Emitter Follower Circuit
Method and Circuitry for Equalizing the Differing Delays of Semiconductor Chips
Motor Driving System
Stabilized Recording
Address Formulation Interlock Mechanism
High Density Transistor Arrays
High Speed High Density, Multi-Port Random Access Memory Cell
Sense Amplifying System for Memories with Small Cells
Method for Making an Improved Polysilicon Conductor Structure Utilizing Reactive-Ion Etching and Thermal Oxidation
Method of Making FET Containing Stacked Gates
Differentially Modulated Avalanche Area Magnetically Sensitive Transistor
Ion Source Having Improved Cathode
Serial-Parallel-Serial CCD Memory System with Fan Out and Fan In Circuits
Half-Duplex/Simplex Digital Signal Converter
Multilingual Ink Jet Printer
Automatic Typefont Loader
Phosphorous-Nitrogen-Oxygen Composition and Method for Making Such Composition and Applications of the Same
Process for Forming Microcircuits
Treatment of Waste Compositions
Adhesive Correction Composition and Method of Use
Pressure Sensitive Correction Composition and Method of Use
Method of Making a Multi-Layer Ceramic Substrate
Dense Dry Etched Multi-Level Metallurgy with Non-Overlapped Vias
Multiple Bandgap Solar Cell on Transparent Substrate
Complementary Transistor Inverting Emitter Follower Circuit
Encoder for Monitoring Bidirectional Motion
Solder Interconnection Between a Semiconductor Device and a Supporting Substrate
Method and Means for Preserving Original Continuity/Discontinuity Among Same Colored Pel Clusters Upon Array Compression

4,290,138	G. T. Bare and L. T. Zimmerman	Wire Fire Mapping for Printers
4,290,356	W. H. Hehl	Actuator Mechanism for a Print Hammer or the Like
4,290,596	G. W. Baumann	Carriage Bin Synchronization for Dual Mode Collator
4,290,672	R. J. Whitefield	Plural Line Acousto-Optically Modulated Laser Scanning System
4,291,256	R. L. Garwin	Alignment or Correction of Energy Beam Type Displays
4,291,272	D. C. Hofer, R. D. Kendrick, and C. S. Yannoni	Method for Reducing Homonuclear Broadening in Magnetic Resonance Spectra of Solids
4,291,315	J. V. Mizzi	Apparatus for Providing a Constant Density Trace of ECG Analog Signals
4,291,350	F. K. King and D. J. Wanek	Spring Suspension For Magnetic Transducer
4,291,351	G. F. Pennell, R. D. Silkensen, and J. E. Wallace	Flux Extender or Guide For Magnetic Read Head Having a Magnetoresistive Flux Sensor
4,291,357	J.-H. J. Hong	Short Circuit Protection Circuit
4,291,364	F. E. Andros, G. K. Kerjilian, B. E. Stevens, and R. E. Tomek	Air-Cooled Hybrid Electronic Package
4,291,406	L. R. Bahl, J. Cocke, C. D. Cullum, Jr., and J. Hagenauer	Error Correction on Burst Channels by Sequential Decoding
4,291,938	D. Wagner	Apparatus for Dark Field Illumination
4,291,994	T. L. Smith and W. J. Weiche	Tear Resistant Ribbon for Non-Impact Printing
4,292,230	E. J. Kenney, D. J. Lazzarini, and R. J. Winters	Screen-Printing Composition and Use Thereof
4,292,461	H. J. Hovel	Amorphous-Crystalline Tandem Solar Cell
4,292,529	T. R. Thurston	Misfeed Detector
4,292,623	K. P. Eswaran, V. C. Hamacher, and G. S. Shedler	Port Logic for a Communication Bus System
4,292,640	G. B. Lammers and G. L. Ream	Closed Loop Compensation of Ink Jet Aerodynamics
4,292,675	B. A. Denis	Five Device Merged Transistor RAM Cell
4,293,224	C. A. Gaston, J. P. Kirk, and C. A. Wasik	Optical System and Technique for Unambiguous Film Thickness Monitoring
4,293,374	P. Chaudhari, N. J. Chou, R. Feder, A. B. Fowler, and J. A. Van Vechten	High Aspect Ratio, High Resolution Mask Fabrication
4,293,620	J. M. L. Vigar	Process for the Deposition of Thick Chromium Films from Trivalent Chromium Plating Solutions and Article so Produced
4,293,802	T. Le	Transresonant Deflection Yoke Operations
4,293,883	A. R. Cox and E. W. Smathers	Magnetic Head Mount Assembly
4,293,888	V. D. McCarthy	Print Hammer Drive Circuit with Compensation for Voltage Variation
4,293,910	F. O. Flusche, K. G. Tan, and R. W. Wright	Reconfigurable Key-In-Storage Means for Protecting Interleaved Main Storage
4,293,919	S. Dasgupta, P. Goel, and T. W. Williams	Level Sensitive Scan Design (LSSD) System
4,294,002	C. G. Jambotkar and P. P. Wang	Making a Short-Channel FET
4,294,507	M. Johnson	Controllably Deformed Elastic Waveguide Elements
4,294,510	T. I. Chappell	Semiconductor Fiber Optical Detection
4,294,552	J. Mako	Bidirectional Ribbon Drive Control for Printers
4,294,729	P. Bakos, R. E. Darrow, J. Funari, and R. M. Poliak	Composition Containing Alcohol and Use Thereof for Epoxy Removal
4,294,898	A. M. Hartstein	Solid State Battery
4,295,002	T. I. Chappell and J. M. Woodall	Heterojunction V-Groove Multijunction Solar Cell
4,295,039	P. E. Stuckert	Method and Apparatus for Achieving Secure Password Verification
4,295,064	S. E. Schuster	Logic and Array Logic Driving Circuits
4,295,121	M. A. Enser, L. O. Hallberg, and N. G. Stalberg	Device for Optical Character Reading
4,295,125	G. G. Langdon, Jr.	Method and Means for Pipeline Decoding of the High to Low Order Pairwise Combined Digits of a Decodable Set of Relatively Shifted Finite Number of Strings
4,295,145	M. R. Latta	Acousto-Optically Modulated Laser Scanning Arrangement for Correcting for Interference Appearing Therein
4,295,147	C. J. Kircher, H.-C. W. Huang, and M. Murakami	Josephson Devices of Improved Thermal Cyclability and Method
4,295,149	J. Balyoz, C. S. Chang, B. C. Fox, J. A. Palmieri, M. Ghafghaichi, T.-S. Jen, and D. B. Mooney	Master Image Chip Organization Technique or Method
4,295,173	L. T. Romankiw and D. A. Thompson	Thin Film Inductive Transducer
4,295,183	E. F. Miersch and L. T. Romankiw	Thin Film Metal Package for LSI Chips
4,295,193	J. H. Pomerene	Machine for Multiple Instruction Execution
4,295,210	H. Beranger, C. Marzin, D. M. Omet, and J.-L. Peter	Power Supply System for Monolithic Cells
4,295,217	J. W. Fennel, Jr., R. J. Hallett, S. M. Head, and C. M. Melas	Apparatus to Reduce the Effect of a Mid-Talkspurt Freeze-Out
4,295,220	A. Blum, H. R. Geng, H. S. Schoelling, and B. Spaeth	Clock Check Circuits Using Delayed Signals

4,295,733	D. M. Janssen and W. S. Seaward	Automatic Error Collator Capacity Constraints Using Spare Bin Strategy
4,295,746	K. Hartmann	Arrangement for Feeding Electrodes in Metal Paper Printers
4,295,924	R. R. Garnache and D. M. Kenney	Method for Providing Self-Aligned Conductor in a V-Groove Device
4,296,455	E. C. Leaycraft, S. Oktay, and C. D. Ostergren	Slotted Heat Sinks for High Powered Air Cooled Modules
4,296,463	G. Dalbousiere and W. D. Draper	Select System for Priority Interface Circuitry
4,296,470	P. T. Fairchild and J. C. Leininger	Link Register Storage and Restore System for Use in an Instruction Pre-Fetch Micro-Processor Interrupt System
4,297,025	P. S. Bach, S. R. Harding, R. A. Lamos, H. R. Markham, and R. D. Shepherd	Document Feeder System Having a Suspending/Commencing Mode
4,297,035	G. C. Bjorklund	Method and Device for Detecting a Specific Spectral Feature
4,297,041	J. O. Schaefer	Variable Cam Profile Selection System for Single Element Typewriter
4,297,045	R. L. Burton and T. P. Finan	Paper Feed System for a Typewriter or the Like
4,297,434	A. Aviram	Photodeformable Article Having Photoionizable Groups on a Polymer Backbone
4,297,613	M. O. Aboelfotoh	D.C. Scan Panel
4,297,712	G. B. Lammers and G. J. Smith	Air Flow Tunnel for Reducing Ink Jet Drag on Array Head
4,297,734	W. J. Laishley and J. R. Taylor	Sampled Data Servo Positioning System
4,297,737	R. Andresen and J. H. Christian	Sector Servo with SYNC Marks